

IN THE CLAIMS:

Please amend claims 1-9 and 11, cancel claim 10 without prejudice and add new claims 12-16 as follows:

1. (Currently amended) A method of formatting a recording medium having a recording capacity, comprising the steps of:

registering defective blocks areas in primary defect lists (PDL) and performing a slipping replacement corresponding to a number of PDL ~~registrations~~ entries;

determining whether a slipping replacement error occurred in response to the number of PDL ~~registrations~~, entries;

checking a number of un-slipped PDL ~~registrations~~ entries if a slipping replacement error occurred; and

adjusting the recording capacity of the recording medium ~~by based on~~ the number of un-slipped PDL registrations if the slipping replacement error has occurred entries.

2. (Currently amended) The method as ~~claimed in~~ of claim 1, wherein the recording capacity adjusting step ~~is achieved by adjusting recording capacity information written in a specified area of the recording medium~~ comprises excluding a capacity corresponding to the number of un-slipped PDL entries.

3. (Currently amended) The method as ~~claimed in~~ of claim 2, ~~wherein a recording capacity information written in a specified area of the recording medium is updated to indicate the adjusted capacity, wherein the recording capacity information is a~~ indicates total logical sector numbers.

4. (Currently amended) A method of formatting a recording medium having a predetermined recording capacity including a spare area for replacing defect areas, the method comprising the steps of:

registering defective area information in a defect area management list if a command for formatting the recording medium is received;

replacing the defective areas with corresponding spare areas in response to the number of registered defective areas in the defect area management list during the formatting;

confirming whether or not an error has occurred due to lack of the spare area in comparison to the defective areas; and

~~if it is confirmed that the error has occurred~~, adjusting the recording capacity of the recording medium ~~by~~ based on the number of unreplaced defective areas if it is confirmed that an error occurred.

5. (Currently amended) The method ~~as claimed in~~ of claim 4, wherein the recording capacity adjusting step ~~is achieved by adjusting recording capacity information written in a specified area of the recording medium~~ comprises excluding a capacity corresponding to the number of unreplaced defective areas.

6. (Currently amended) The method ~~as claimed in~~ of claim 5, wherein the recording capacity information written in a specified area of the recording medium is updated to indicate the adjusted capacity, wherein the recording capacity information ~~is a~~ indicates total logical sector numbers.

7. (Currently amended) A method of formatting a recording medium having a predetermined recording capacity including a spare area, comprising the steps of:
registering defective segment addresses corresponding to defective segments in a first defect list in the recording medium if a command for formatting the recording medium is received;

performing a first mode for defect replacement in response to the defective segment addresses registered in the first defect list during the formatting;

determining if an error occurred during the a first mode ~~defect replacement error~~, wherein the ~~first defect replacement~~ error is caused when a size of the defective segments exceeds the spare area;

stopping the first defect replacement if an error occurred and checking un-slipped segments by determining a number of the defective segments not subjected to the first defect replacement due to insufficient spare area; and

reserving an area corresponding to the number of un-slipped segments, thereby managing the un-slipped segments continuously ~~adjusting the predetermined recording capacity of the recording medium by the number of un-slipped segments~~.

8. (Currently amended) The method ~~as claimed in~~ of claim 7, wherein the first defect list is a primary defect list (PDL).

9. (Currently amended) The method ~~as claimed in~~ of claim 7, wherein the first mode for defect replacement is a slipping replacement.

10. (Canceled)

11. (Currently amended) The method ~~as claimed in~~ of claim 7, wherein each defective segment comprises a defective sector.

12. (New) The method of claim 7, further comprising updating a recording capacity information to indicate the reserved areas.

13. (New) The method of claim 12, wherein the recording capacity information is total logical sector numbers.

14. (New) A method of formatting a recording medium having a recording capacity, comprising the steps of:

receiving a command for formatting the recording medium;
performing a slipping replacement corresponding to a number of PDL entries if the command is received;
determining whether a slipping replacement error is occurred in response to the number of PDL entries;
checking a number of un-slipped PDL entries if the slipping replacement error is occurred; and
reserving an area corresponding to the number of un-slipped PDL entries to replace the un-slipped PDL entries.

15. (New) The method of claim 14, further comprising updating a recording capacity information at least to exclude the reserved areas.

16. (New) The method of claim 15, wherein the recording capacity information is total logical sector numbers.